GRO-BIG Portable* Garden Trellises MADE in four kinds, to fit every possible use where a portable port or trellis is needed for flowers, up problem of tomatoes, roses, golden glow, and the like. For beans and For sweet peas, or plants and vines of a heavier nature, we have both a portable wire and a bar trellis.

All the angle-iron uprights and the wire are heavily galvanized and will not rust. Can be easily and quickly put up or taken down. able wire and a bar trellis.

Loops on the tomato trellis, shown
at left, are adjustable in both size and
height.
Wire netting on
the one at right is
secured to angleiron upright by simple, quick working
binders.
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to get out of order.
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circular.

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If the ground is dry it should be watered thoroughly the day before sowing hardy annual seeds.

> Chrysanthemum. annual. larkia elegons, Cleome. Dianthus. The Variety Evening Primrose. Eschscholtzia, MRS. FRANCIS KING A brilliant vermilion Gaillardia, scarlet, produces the Globe Amaranth, largest, most effective Gourds.

decorative spike. Big Bingo Bulbs 35 \$2,50 First Size ... 25 1.50 Blooming Size .20 1.60 OTHER GLADIOLI

Vaughan's Special Mixtures of Nasturtiums Dwarf

Price: % 1b., 45c: oz., 15c; pkt., 10c All Perennials, Doz., \$1.50; each, 15c Giant Pansies, Daisies, Doz., 50c. Vinca Vines, English Ivy, Straw berry, Cabbage, Tomato Plants.

Barclay, Cor. Church St.

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wide. mow more lawn in a day than any motor mower or any three other horse mowers Does not crush the grass and plaster it in the soft ground in Spring nor crush out its life between hot rollers and hard, hot ground in Summer. as does the motor mower. Catalogue of all types of mowers free.

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Booklet "S" mailed for the asking. LINWAX MANUFACTURING CO., Indianapolis, Ind.

sown in the open ground now: Sweet Alyssum, Hellanthus. African Dalsy, Japanese Hop Kochia, Bartona Aurea, Larkspur, annual, Lavatera, Candytuft.

Lobelia, Lupins, annua Mallow, Marvel of Peru Marigold, Mignonette Nasturtium, Pansy, Petunia, Phlox drumn Portulacca. Sweet Peas,

M. W., New York: Your oleander needs repotting in good rich soil. Have holes bored in bottom of the tub for drainage and place coarse gravel or broken pots in the bottom to keep the earth from working through the drainage holes. If the plant grows well through the summer, allow it to rest during the winter.

SOWING ANNUALS AND MAKING ATTRACTIVE BEDS WITH ANNUAL PLANTS.

By CHARLES HENDERSON. Most cases of failure of seeds to

me up are due to unsultable soil conditions. Seedlings cannot send up their shoots through soil which is hard and packed, neither can tender rootlets pierce downward in such

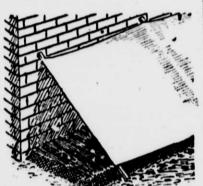
Let the soil be well dug and sifted at least an inch in depth, and if gardeners, who little know what de heavy or clayey lighten it with sand. smooth down the surface with a piece of board about eight inches square, to the centre of which a small block has been nailed for a handle.

tick. Stick in a name label at the end of each row, and then drop in the seeds, spreading them carefully and



broadcast on a square space Sow large seeds one by one an inch apart. Sift earth over all to cover Red Sunflower and California them as deep as twice their diameter, and then press down firmly with the

levelling board. Hard shell seeds like ipomeas should be soaked in water for twenty-four should be the general aim, for a few be soaked in water for twenty-four should be the general side, to the stuff. In August 1 began cancolors used with judgment will proning. Lay a piece of thin cotton cloth
over the bed and water with a fine ber jumbled together. Still, here and
to be tenderest and sweetest; 36 spray. When the seeds come up re- there, a striking contrast may be in- to be tenderest and sweeter, spray. When the seeds come up remove the cloth. Do not let the soil dulged in.



A temporary seed bed located along sun in dry weather by a strip of cloth will advance the plants more rapidly than when the seed is sown in the open ground without protection. tection on cold nights. The seedlings can be transplanted to the permanent

bed as soon as three true leaves show. Water the seedlings and also the ground that is to receive them the day before transplanting. Separate the seedlings with a sharp pointed stick



Castor Oil Plant, Amaranthus and Dwarf Nasturtium.

and if they are growing thickly to gether place a clump in a shallow pan of water to soften the soil, when the plants will separate without injury. Annuals are so called because the plants grow and flower from seeds the same season.



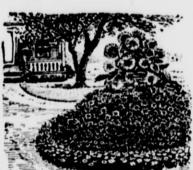
Steetania, Poppy, Carnation and Nasturtium.

Besides being the cheapest way of naking a beautiful flower garden, i is also the easiest, as annual plants ward the expectant gardener with



Annuals have always been popular as they should be. This is probabl because many of the most beautifu varieties are unfamiliar to amateu of by remaining in ignorance of the beauties of many almost unknown an nuals. Besides their use in beds and bor

ders, annuals are also very valuabl for filling up the bare spaces in hard borders, recently planted, and which



In making beds of annuals, harmony of color rather than violent contrast:

Use brilliant colors in sunny positions and colder colors in partially nearly ripe; 36 quarts ripe tomatoes. shaded places, although all annuals Those with fewest seeds are best for there they receive sunshine at least half the day.

SEVEN ANNUALS FOR CUT FLOWERS.

By JOSEPH H. SPERRY.

early or late spring which make a pretty show of blooms in midsummer and autumn in the flower border, but late cabbage. We enjoyed our vegebountiful supply of cut flowers on than we did in summer. This year stems of good length for the table. There are seven, which the writer Min. has selected, after trying many, and found to be very satisfactory, giving a supply of blooms throughout the season, and also being of reasonably easy culture. Here is a list with a few remarks

on each kind. Sweet peas, especially those of the March or April as the ground can be until frost.

low, garnet and maroon shades, and continuing to bloom until killed by the frost, if the blooms are kept picked

Some of the "giant flowering" later should also be planted.

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the gladiolus.

W. E. MARSHALL & CO., Seedsmen, 166 West 23d St., New York

continue until the autumn frosts to tree in a garden I would recommend give a wealth of flowers in several a Morello cherry. It will grow in parshades of blue and pink, and also of

Mignonette, around whose blooms as about the heads of the saints, there seems to be a halo placed there by flower lovers. Plant especially the varieties known as Allen's Defiance brighten the garden. The perennials and Machet, of which two sowings and hardy bulbs for the east border and Machet, of which two sowings may be made, one in mid-April and a second in July.

Sow the seeds of all these seven grow, but heroically, yes, ruthlessly, hin these out so that they may stand thin these out so that they may stand far enough apart to admit to the soil they bloomed in season. The beds some light and air. Remember, too, were edged with dwarf nasturtiums. hat frequent culture, so that there o be seen and so that the surface of plants. In very dry weather rake The seven varieties of innuals recommended are remarkably ree from the attacks of insects of isease and of easy culture

OUR VEGETABLE GARDEN.

ight slope to southward. Stable nercial fertilizer was used when seeds vere sown or plants set. Vegetables lanted were: Peas-Nott's Excelsion and Alder-

Corn-Yellow Bantam, three differ-

nt plantings; Blue and White and vergreen. Bush Beans-Golden wax, Bountiful, dentine. Late sweet corn planted tween bean rows.

Pole Beans-Wild Goose, eighty hills rly planted, thirty late; Scipio, 100 Scarlet runner and white, venty hills; Yellow Cranberry, forty

Cucumber, one packet. Cabbage, one packet early, one cket late. Summer squash, one packet; Hub ard squash, two packets.

Muskmelon, three varieties Watermelon, three varieties. Citron, red seeded, one packet. Tomatoes—Chalks Jewel, twenty lants; Stone, twenty plants; Matchss, thirty plants: Yellow pear, ten

Strawberry welve plants. Strawberry plant ears sweet, yellow, cherry eize fruits, fine to eat raw and fine for reserves, but ripens very late. Blood beet, one ounce.

wn in a sunny place under a wall n mid-April and transplanted to garden from weeds, but no special cultivation was given. We gave away severa the pods are tender till beans are canning; 19 quarts of Scipto beans. Scipios are easiest to shell, and these were canned to make succotash; 19 quarts of beets; 12 quarts of corn salad; 16 quarts of chili sauce; 16 quarts of chopped pickle: 12 quarts of green tomato mince meat, and quarts of green tomato preserve There were also 3 pecks of dry Sciplo beans, 16 quarts dry wild goose beans, be grown from the seeds planted in and 6 quarts cranberry beans besides the scarlet runners. To put in the cellar we had 20 citrons, a great many hubbards, a bushel of beets and the comparatively few of these furnish a table products more during the winter shall plant kale, and some of the more out of the ordinary vegetables. M. E

A DIFFERENT AND BETTER GARDEN.

In planning our karden we sough o have something different from the new Spencer types, a wonderfully ordinary backyard garden. The plans beautiful new race of sweet peas, had two primary objects; outdoor tration. These should be planted as early in | recreation and a supply of cut flowers. worked. Early planted sweet peas not bery were planted along the west side of the lot, forming the dividing line, to bloom later than those planted late, and the effect was quite "parklike," Snapdragons, especially the new while-flower borders were established "Giant" strain, the seeds of which along both sides of the lawn and at should be sown any time between the cottage foundations. The raised April 10 and and May 10, according and boarded beds were dispensed to the season and condition of soil.

Calendulas, the "Marygold" of and stiff. Instead the beds and bor-Shakespeare, the double varieties, ders were made to gradually slope which will bloom from early summer to the lawn, which was frequently trimmed to keep it in order.

At the rear of the house a mass o which give flowers combining the yel- flowering shrubs, weigelia, spirea and deutzia, was set out, edged with lily of the valley, and on the lawn about ten feet from the shrubs we planted ff.
Cosmos, especially the extra early hardy tree has been a real delight varieties, which should be planted by clothed in a mantle of fragrant white the last of April and in a position blossoms, in early May, like an im-where a tall flower is not out of place. mense bridal bouquet; later resembling a huge holly branch with its varieties, especially Lady Lenox, beautiful red berries, which gradually turned to a rich maroon as Larkspurs, which should be planted the fruit ripened. Under the trees in the last half of April to begin to we placed a garden seat, and it seemed a magnet, as the family unconsciously drifted to the spot after dinner during the pleasant weather, and remained chatting until long after twi



BEAUTIPY YOUR GARDENS

tial shade, stand neglect and bear s bountiful crop of acid fruit, unsur-

Elach had and horder was planned to give an abundance of cut flowers and still leave enough bloom to were columbine and larkspur, narcissus and tiger lilles, while suphorbla variegata (snow on the mountain), plants where you would like them to pansies and gladioit were planted beds sweet peas, snapdragon, asters

The rose bed was divided from the are never any weeds, large or small, adjoining beds by a double row of iris, selected for its different periods of blooming, and yuccas, while here depth of about one inch, is better than and there were placed clumps of all the water you can give your phlox, chrysanthemums, peonles, hollyhocks, coreopsis and dahllas, in fact, every available foot of ground was from year to year, cutting out the old utilized and yet without the appearance of being crowded. A fernery, with a minging of wild weak tips and cutting back the worst

flowers, was started in a semi-shaded of the crossing shoots. corner; most of the plants were gathered from nearby woods. Darwin and cottage tulips were planted among the ferns and also in the rose bed, furnishing blooms of brilliant color and making superb and lasting cut flowers clematis vine and rambler roses

were trained up the front porch. One bed of unfailing interest was the "tropical" garden consisting of the house and window plants sunk in pots, a trowelful of coal ashes being placed under each pot to insure drainage and keep out the worms. The collection included several palms, miniature emon and orange trees, two avocado plants (the planted seeds of alligator pears), asparagus ferns, aspidistras and several specimens of cactus. These are left out during the season, gaining vigor and foliage for interior decoration during the winter months.

We do not hesitate to try novelties and new varieties, having notable success last season with the gladioli-like bulbs Watsonia, which furnished exceptionally beautiful white flowers, and euphorbia heterophylla, a plant much resembling the Christmas poinsettia. Our garden was started eight years

ago, and last season I realized we had attained one of our objects when a neighbor remarked: "I love to sit at my window that overlooks your garden; it is so restful." To us it is a spot of unfailing interest and pleasure because we keep striving for some thing "different and better."-G. C. R. Woodhaven, L. T.

PRUNING CLIMBING ROSES

Where the variety of climbing rose not known cut away only the dead growths and dead tips of long shoots. When the plants bloom learn the name of the variety.

Newly planted climbers and ram

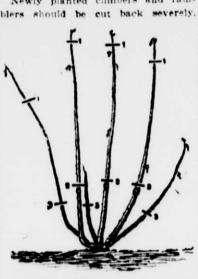


Figure 1.

Illustration 1 shows where the knife should be used, at Figures 2 and 3, on crimson ramblers and other climbing Figure 3, in each case cutting directly

Hiawatha, Lady Gay, Lady Godiva. Excelsia and Minnehaha, with strong weak stems three feet long, as indicated No. 1 in the illustration. To get strong growths from the base of climbing teas and Noisettes they should be pruned to within six inches of the ground the first spring after planting.



Pigure 2.

Figures 2 and 3 are established limbers. Figure 2 is a rambler showing the strong growth cut at the hase of the plant, not in the spring but immediately after flowering, leaving the new growths coming up from the hase that will flower the next season. THE MATHEWS MFG. COMPANY. These later growths are encouraged 9-12 Williamson Bidg., Cleveland. by the removal of the older wood,

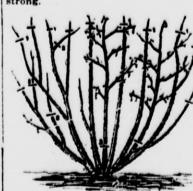


Figure 8 shows established teas and Noisettes such as giorie de Dijon, Caroline Testout, &c. The rule with these is to allow them to build up growths, thinning out to avoid crowding, but otherwise only removing the

SEEDS AND SOIL FOR WINDOW BOXES

want and grow the plants yourself in window boxes. By this method you may plant goodly sized, vigorous plants that will bloom earlier than pen ground.

All that is needed to a sunny couthern window and plant boxes with some good rich soil in them. Smooth down the soft, place the seeds on top of it and then sift a quarter of an inch of fine soil over them. Next cover with a piece of coarse cloth and soak thoroughly with a sprinkler: This method prevents scattering of washing out of seeds. Water that way until the seeds are up.

Any soil in which garden plants thrive and are happy is good for plant boxes. Of course it must be rich for best results. A soil that is so heavy quickly packs is unfortunate be ause it prevents the necessary of ulation of air, which to so vital to the

A heavy soil can be lightened up adding, say, a quarter of fine san nd mixing it in thoroughly. A good soil mixture is one-hal

eavy soil, one-quarter well rotted, ourse, where good open garden loam an be had the sand is unnecessary. The ideal coil is that rich in humus because humus is the very life and fertility of any soil. Decayed leaves nd manure are valuable forms of humus.

or chemical fertilizers, follow direct ions or you will be apt to endanger your plants by overfeeding. Keep the soil well stirred up so air can reach the roots. Be careful not to over-But when you do water, do it thoroughly, and not a mere surface wetting, which soon dries off and fails o reach the roots

Among the hardy perennials that thrums, auriculas, forget-me-nots aquilegias, sweet rockets, arabis, datsies, wallflowers, pansies, violus and aubretias. To continue into sum-

lupins, oriental poppies, pentstemons pinks, achilleas, heleniums, phloxes, physalis, eryngiums, campanulas thrift, sweet williams, galegas, holly

In planting make a hole twice as large as sufficient for spreading out the roots in a natural manner and if the soil is poor cover the roots with good soil. Firm planting is essential and keep the ground well hoed after planting.

SUGGESTIONS BY A PRIZE WIN. NING AMATEUR FLORIST

Walter E. Boyd, an amateur florist who has won prizes at several flower shows, says that his success is due largely to the fact that he purchases good seeds, fertilizes liberally and gives his plants the very best of care. The soil should be made rich, very rich, to a depth of a foot at least.

Beginners are advised to start with sinnias, marigolds, scabless, snapdrag. one, stocks and larkspur. Sow the lings, leaving only the strongest plant When the plants reach twelve inches n height stake them, tying the plants to the stakes so that they will withstand wind and hard rains. Water when the soil is dry, preferably late in the afternoon. flowers from the plants, but cut them off with a sharp knife. Flowers cut in the early morning will last longe than those gathered during the day

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right up by the vines, but for a distance of a couple of feet all around Do it at once, before the blooms are set if possible.

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